Overview

Useful For

Detecting drug abuse involving amphetamines, barbiturates, benzodiazepines, cocaine, ethanol, methadone, opiates, phencyclidine, and tetrahydrocannabinol

Detection and identification of prescription or over-the-counter drugs frequently found in drug overdose or used with a suicidal intent

This test is intended to be used in a setting where the identification of the drug is required.

Chain of custody is required whenever the results of testing could be used in a court of law. Its purpose is to protect the rights of the individual contributing the specimen by demonstrating that it was under the control of personnel involved with testing the specimen at all times; this control implies that the opportunity for specimen tampering would be limited.

Profile Information

<table>
<thead>
<tr>
<th>Test ID</th>
<th>Reporting Name</th>
<th>Available Separately</th>
<th>Always Performed</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDA7X</td>
<td>Confirmed Drug Abuse Panel9, CoC, U</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>OXYSX</td>
<td>Oxycodeine Screen, CoC, U</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>PDSUX</td>
<td>Drug Scrn, Prescription/OTC, CoC, U</td>
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Reflex Tests

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<tbody>
<tr>
<td>AMPHX</td>
<td>Amphetamines Confirmation, CoC, U</td>
<td>Yes</td>
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<tr>
<td>COKEX</td>
<td>Cocaine and metabolite Conf, CoC, U</td>
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<td>No</td>
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<tr>
<td>BENZX</td>
<td>Benzodiazepines Conf, CoC, U</td>
<td>Yes</td>
<td>No</td>
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<tr>
<td>BARBX</td>
<td>Barbiturates Confirmation, CoC, U</td>
<td>Yes</td>
<td>No</td>
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<tr>
<td>MTDNX</td>
<td>Methadone Confirmation, CoC, U</td>
<td>Yes</td>
<td>No</td>
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<td>PCPX</td>
<td>Phencyclidine Confirmation, CoC, U</td>
<td>Yes</td>
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<td>THCX</td>
<td>Carboxy-THC Confirmation, CoC, U</td>
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<td>ETOHX</td>
<td>Ethanol, CoC, U</td>
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Test Definition: PDSOX
Pain Clinic Drug Screen, CoC, U

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<tr>
<td>OPATX</td>
<td>Opiate Confirmation, CoC, U</td>
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<tr>
<td>OXYCX</td>
<td>Oxycodone w/metabolite Conf, CoC, U</td>
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Additional Tests

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<tbody>
<tr>
<td>COCH</td>
<td>Chain of Custody Processing</td>
<td>No</td>
<td>Yes</td>
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<tr>
<td>ADLTX</td>
<td>Adulterants Survey, CoC, U</td>
<td>Yes</td>
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</table>

Testing Algorithm

Testing begins with screening tests for alcohol and drugs of abuse. Positives are confirmed and quantitated by definitive methods (gas chromatography-flame ionization detector for ethanol; gas chromatography-mass spectrometry for barbiturates, benzodiazepines, cocaine and metabolites, methadone, phencyclidine, and tetrahydrocannabinol metabolite; liquid chromatography-tandem mass spectrometry for amphetamines and opiates) at an additional charge. If only oxycodone screens positive, only confirmation of oxycodone with metabolite will be performed. Any other opiate positive screen will result in the full opiate confirmation being performed.

The drug screen, prescription/OTC will be performed by gas chromatography-mass spectrometry. Qualitative results will be reported.

Adulterants testing will be performed on all chain of custody urine samples as per regulatory requirements.

Method Name

CDA7X, OXYSX: Alcohol Screened by an Enzymatic Assay/All Others Screened by Immunoassay
PDSUX: Gas Chromatography-Mass Spectrometry (GC-MS)
ETOHX: Gas Chromatography-Flame Ionization Detector (GC-FID) (if appropriate)

NY State Available
Yes

Specimen

Specimen Type
Urine

Specimen Required
Supplies: Chain-of-Custody Kit (T282) containing the specimen containers, seals, and documentation required.
**Test Definition: PDSOX**  
Pain Clinic Drug Screen, CoC, U

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**Specimen Volume:** 30 mL

**Collection Instructions:** Collect specimen in the container provided, seal, and submit with the associated documentation to satisfy the legal requirements for chain-of-custody testing.

**Additional Information:**

1. Submitting less than 30 mL will compromise our ability to perform all necessary testing.


**Forms**

[Chain-of-Custody Request](#) is included in the Chain-of-Custody Kit (T282).

**Specimen Minimum Volume**

25 mL

**Reject Due To**

All specimens will be evaluated at Mayo Clinic Laboratories for test suitability.

**Specimen Stability Information**

<table>
<thead>
<tr>
<th>Specimen Type</th>
<th>Temperature</th>
<th>Time</th>
<th>Special Container</th>
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<tbody>
<tr>
<td>Urine</td>
<td>Refrigerated (preferred)</td>
<td>14 days</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Frozen</td>
<td>14 days</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ambient</td>
<td>72 hours</td>
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**Clinical and Interpretive**

**Clinical Information**

This panel was designed to screen for and confirm by gas chromatography-mass spectrometry (GC-MS) or gas chromatography-flame ionization detection (GC-FID) the following drugs:

- Barbiturates
- Benzodiazepines
- Cocaine
- Ethanol
- Methadone
- Phencyclidine
- Tetrahydrocannabinol

Confirmation by liquid chromatograph-tandem mass spectrometry (LC-MS/MS) is completed for all opiates and
This panel uses the screening technique that involves immunoassay testing for drugs by class. All positive screening results are confirmed by GC-MS, GC-FID, or LC-MS/MS, and quantitated, before a positive result is reported.

The panel includes PDSOX / Drug Screen, Prescription/OTC, Chain of Custody, Urine, which looks for a broad spectrum of prescription and over-the-counter drugs. It is designed to detect drugs that have toxic effects, as well as known antidotes or active therapies that a clinician can initiate to treat the toxic effect. The test is intended to help physicians manage an apparent overdose or intoxicated patient, to determine if a specific set of symptoms might be due to the presence of drugs, or to evaluate a patient who might be abusing these drugs intermittently. The test is not designed to screen for intermittent use of illicit drugs.

Chain-of-custody is a record of the disposition of a specimen to document who collected it, who handled it, and who performed the analysis. When a specimen is submitted in this manner, analysis will be performed in such a way that it will withstand regular court scrutiny.

**Reference Values**

**Negative**

Screening cutoff concentrations

- Amphetamines: 500 ng/mL
- Barbiturates: 200 ng/mL
- Benzodiazepines: 100 ng/mL
- Cocaine (benzoylecggonine-cocaine metabolite): 150 ng/mL
- Ethanol: 10 mg/dL
- Methadone metabolite: 300 ng/mL
- Opiates: 300 ng/mL
- Phencyclidine: 25 ng/mL
- Tetrahydrocannabinol carboxylic acid: 50 ng/mL

This report is intended for use in clinical monitoring or management of patients. It is not intended for use in employment-related testing.

**Interpretation**

A positive result indicates that the patient has used the drugs detected in the recent past. See individual tests (eg, AMPHX / Amphetamines Confirmation, Chain of Custody, Urine) for more information.

*For information about drug testing, including estimated detection times, see Drugs of Abuse Testing at https://www.mayocliniclabs.com/test-info/drug-book/index.html.*

**Cautions**

Not intended for use in employment-related testing.
**Test Definition:** PD$\text{SOX}$  
Pain Clinic Drug Screen, CoC, U

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**Clinical Reference**

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**Performance**

**Method Description**
Drug classes are screened by an immunoassay technique. All positive screening results are confirmed by gas chromatography-mass spectrometry, gas chromatography-flame ionization detector, or liquid chromatography-tandem mass spectrometry.(Unpublished Mayo method)

**PDF Report**
No

**Day(s) and Time(s) Test Performed**
Monday through Sunday

**Analytic Time**
2 days

**Maximum Laboratory Time**
5 days

**Specimen Retention Time**
2 weeks

**Performing Laboratory Location**
Rochester

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**Fees and Codes**

**Fees**
- Authorized users can sign in to Test Prices for detailed fee information.
- Clients without access to Test Prices can contact Customer Service 24 hours a day, seven days a week.
- Prospective clients should contact their Regional Manager. For assistance, contact Customer Service.

**CPT Code Information**
80307

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**LOINC® Information**
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<th>Result LOINC Value</th>
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<td>36262</td>
<td>Alcohol</td>
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<tr>
<td>61727</td>
<td>Oxycodone</td>
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<td>36236</td>
<td>Suspect Drug</td>
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<td>36027</td>
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<td>36253</td>
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